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Relevance scale **1 Development consortium: Beyond the desktop: and into your vehicle**

David J. Wheatley

April 2000 **CHI '00 extended abstracts on Human factors in computing systems**Full text available:  pdf(198.05 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Interaction with computer based systems long since moved out of the domain of the professional user in the office environment. But now neither is it solely the domain of the naïve but motivated user in the home and office environment. Such interaction with complex applications and services is moving beyond the desktop and into everyday life. New challenges exist in the development of the whole user experience for mobile products, such as cellphones and especially for telematics products. Th ...

Keywords: cognitive load, in-vehicle, infotainment, safety, telematics, user experience design

2 Context and Location: Intelligent pervasive middleware for context-based and localized telematics services

Chatschik Bisdikian, Isaac Boamah, Paul Castro, Archan Misra, Jim Rubas, Nicolas Villoutreix, Danny Yeh, Vladimir Rasin, Henry Huang, Craig Simonds

September 2002 **Proceedings of the 2nd international workshop on Mobile commerce**Full text available:  pdf(565.14 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Telematics is arguably the next-wave in mobile computing: with most cars already equipped with multiple embedded computing platforms, we shall witness the development of a variety of mobile services and applications with significant commercial potential. Telematics will only become a commercial reality when the underlying architecture is able to address significant concerns related to the security and privacy of telematics data, and is able to provide context information from and to a large numb ...

Keywords: pervasive computing, telematics

3 Session 4: Naming and mobility: CarNet: a scalable ad hoc wireless network system

Robert Morris, John Jannotti, Frans Kaashoek, Jinyang Li, Douglas Decouto

September 2000 **Proceedings of the 9th workshop on ACM SIGOPS European workshop: beyond the PC: new challenges for the operating system**Full text available:  pdf(165.74 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

CarNet is an application for a large ad hoc mobile network system that scales well without requiring a fixed network infrastructure to route messages. CarNet places radio nodes in cars,

which communicate using Grid, a novel scalable routing system. Grid uses geographic forwarding and a scalable distributed location service to route packets from car to car without flooding the network. CarNet will support IP connectivity as well as applications such as cooperative highway congestion monitoring, f ...

4 Traffic modeling software for IVHS applications

Alberto J. Santiago, Hobih Chen

December 1990 **Proceedings of the 22nd conference on Winter simulation**

Full text available:  [pdf\(506.91 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



5 A logic base tool set for real-time Ada software development

Michael Moore

June 1991 **Proceedings of the eighth annual Washington Ada symposium & summer SIGAda meeting on Ada: software: foundation for competitiveness**

Full text available:  [pdf\(1.50 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



This is a report on work conducted privately that explores the use of predicate logic to reason about real-time design. Safety and reliability issues associated with embedded real-time systems make greater demands on development engineers than non-real-time systems whose functional complexity is of similar degree. The effort undertaken here attempts to provide methods and tools for dealing with both the functional and temporal aspects of software engineering. The goal is to improve the effe ...

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1 IEE Colloquium on 'Vehicle Diagnostics in Europe' (Digest No.1994/048)

Vehicle Diagnostics in Europe, IEE Colloquium on , 23 Feb 1994

[\[Abstract\]](#) [\[PDF Full-Text \(12 KB\)\]](#) **IEE CNF**

2 Diagnostics at the roadside

Davies, N.K.H.;

Vehicle Diagnostics in Europe, IEE Colloquium on , 23 Feb 1994

Pages:6/1 - 6/7

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3 Automotive fault diagnosis - part II: a distributed agent diagnostic system

Murphy, Y.L.; Crossman, J.A.; ZhiHang Chen; Cardillo, J.;

Vehicular Technology, IEEE Transactions on , Volume: 52 , Issue: 4 , July 2003

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4 The Network Vehicle-a glimpse into the future of mobile multi-media

Lind, R.; Schumacher, R.; Reger, R.; Olney, R.; Yen, H.; Laur, M.; Freeman, R.; Aerospace and Electronic Systems Magazine, IEEE , Volume: 14 , Issue: 9 , Sept. 1999

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Campos, F.T.; Mills, W.N., III; Graves, M.L.; AUTOTESTCON Proceedings, 2002. IEEE , Oct. 2002

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Lind, R.; Schumacher, R.; Reger, R.; Olney, R.; Yen, H.; Freeman, R.;
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